

IN THE CLAIMS:

Claim 1 (Currently Amended): An image processing device comprising:

an output image data generation unit that performs a generation process to generate output image data from input image data and transmits the output image data to an output image data sending unit;

the output image data sending unit that transmits the output image data generated by the output image data generation unit to an image formation device;

a converting unit that performs a converting process to convert the input image data into recognition image data; and

a recognition unit that performs a recognition process to recognize a specific image from the converted recognition image data,

wherein the output image data generation unit waits to ~~send~~ transmit the output image data to the output image data sending unit ~~an image formation device~~ until the recognition unit completes the recognition process.

Claim 2 (Previously Presented): An image processing device according to claim 1, wherein a format of the output image data and a format of the recognition image data are different from each other.

Claim 3 (Original): An image processing device according to claim 1, wherein a color space of an image formed by the output image data and that of an image formed by the recognition image data are different from each other.

Claim 4 (Original): An image processing device according to claim 1, wherein resolution of an image formed by the output image data and that of an image formed by the recognition image data are different from each other.

Claim 5 (Previously Presented): An image processing device according to claim 1, wherein the number of bits used to represent a pixel in the output image data and that in the recognition image data are different from each other.

Claim 6 (Previously Presented): An image processing device according to claim 1, wherein the output image data generation unit performs the generation process per partial image and the converting unit performs the converting process per partial image, the recognition unit performs the recognition process per partial image, and when a possibility that at least the specific image is included is equal to or higher than a predetermined value, the recognition unit performs the recognition process to recognize the specific image on the partial image together with another partial image.

Claim 7 (Previously Presented): An image processing device according to claim 1, wherein when the recognition unit recognizes the specific image, the output image data generation unit stops generation or output of the output image data.

Claim 8 (Currently Amended): An image processing method comprising:
generating output image data from the input image data;
transmitting the output image data to an output image data sending unit;
transmitting the output image data from the output image data sending unit to an image
formation device;
converting the input image data into recognition image data; and
recognizing a specific image by using the converted recognition image data,
wherein the process of generating the output image data waits to transmit the output
image data to the output image data sending unit until the process of recognizing the specific
image is completed
~~delivery of the output image data to an image formation device is delayed until the~~
~~recognizing process is completed.~~

Claim 9 (Previously Presented): An image processing method according to claim 8,
wherein a format of the output image data and a format of the recognition image data are
different from each other.

Claim 10 (Original): An image processing method according to claim 8, wherein a color
space of an image formed by the output image data and that of an image formed by the
recognition image data are different from each other.

Claim 11 (Original): An image processing method according to claim 8, wherein resolution of an image formed by the output image data and that of an image formed by the recognition image data are different from each other.

Claim 12 (Original): An image processing method according to claim 8, wherein the number of bits used to represent a pixel in the output image data and that in the recognition image data are different from each other.

Claim 13 (Previously Presented): An image processing method according to claim 8, wherein generation of the output image data and conversion to the recognition image data are performed per partial image, a process of recognizing the specific image is performed on the recognition image data per partial image and, when a possibility that at least the specific image is included is equal to or higher than a predetermined value, the process of recognizing the specific image is performed on the partial image together with another partial image.

Claim 14 (Original): An image processing method according to claim 8, wherein when recognition of the specific image is performed by using the recognition image data and existence of the specific image is recognized, generation or output of the output image data is stopped.

Claim 15 (Currently Amended): A storage medium readable by a computer, the storage medium storing a program of instructions executable by the computer to perform a function for recognizing a specific image from input image data, the function comprising:

transmitting the output image data to an output image data sending unit;

transmitting the output image data from the output image data sending unit to an image formation device;

generating output image data from the input image data;

converting the input image data into recognition image data; and

recognizing the specific image by using the converted recognition image data,

wherein the process of generating the output image data waits to transmit the output image data to the output image data sending unit until the process of recognizing the specific image is completed

~~delivery of the output image data to an image formation device is delayed until the recognizing process is completed.~~

Claim 16 (Previously Presented): An image processing device according to claim 1, wherein when the recognition unit recognizes the specific image, the output image data generation unit stops the generation or output of the output image data, even if the recognition process on an entirety of the converted recognition image data has not completed.

Claim 17 (Previously Presented): An image processing method according to claim 8, wherein when the recognition of the specific image is performed by using the recognition image data and the existence of the specific image is recognized, the generation or output of the output image data is stopped, even if the recognition process on an entirety of the converted recognition image data has not completed.

Claim 18 (Previously Presented): An storage medium according to claim 15, wherein when recognition of the specific image is performed by using the recognition image data and existence of the specific image is recognized, generation or output of the output image data is stopped.

Claim 19 (Previously Presented): A storage medium according to claim 15, wherein when the recognition of the specific image is performed by using the recognition image data and the existence of the specific image is recognized, the generation or output of the output image data is stopped, even if the recognition process on an entirety of the converted recognition image data has not completed.

Claim 20 (Currently Amended): An image processing device comprising:

an output image data generation unit that performs a generation process to generate output image data from input image data and transmits the output image data to an output image data sending unit;

the output image sending unit that transmits the output image data generated by the output image data generation unit to an image formation device;

a converting unit that performs a converting process to convert the input image data into recognition image data; and

a recognition unit that performs a recognition process to recognize a specific image from the converted recognition image data,

wherein when the recognition unit recognizes the specific image, the generation or ~~output~~ transmission of the output image data is stopped, even if the recognition process on an entirety of the converted recognition image data has not completed.

Claim 21 (Currently Amended): An image processing device comprising:

an output image data generation unit that performs a generation process to generate output image data from input image data and transmits the output image to an output image sending unit;

the output image data sending unit that transmits the output image data generated by the output image data generation unit to an image formation device;

a converting unit that performs a converting process to convert the input image data into recognition image data; and

a recognition unit that performs a recognition process to recognize a specific image from the converted recognition image data,

wherein the converting process is performed in parallel with the generation process, and the output image data generation unit waits to ~~send~~ transmit the output image data to the output image data sending unit ~~an image formation device~~ until the recognition unit completes the recognition process.

Claim 22 (Currently Amended): An image processing device comprising:

an output image data generation unit that performs a generation process to generate output image data from input image data and transmits the output image data to an output image data sending unit;

the output image data sending unit that transmits the output image data generated by the output image data generation unit to an image formation device;

a converting unit that performs a converting process to convert the input image data into recognition image data; and

a recognition unit that performs a recognition process to recognize a specific image from the converted recognition image data,

wherein the recognition process is performed in parallel with the generation process, and the output image data generation unit waits to ~~send~~ transmit the output image data to the output image data sending unit ~~an image formation device~~ until the recognition unit completes the recognition process.

Claim 23 (Currently Amended): An image processing device comprising:

an output image data generation unit that performs a generation process to generate output image data from input image data and transmits the output image data to an output image sending unit;

the output image data sending unit that transmits the output image data generated by the output image data generation unit to an image formation device;

a converting unit that performs a converting process to convert the input image data into recognition image data; and

a recognition unit that performs a recognition process to recognize a specific image from the converted recognition image data;

wherein the converting process and the recognition process are performed in parallel with the generation process, and the output image data generation unit waits to ~~send~~ transmit the output image data to the output image data sending unit ~~an image formation device~~ until the recognition unit completes the recognition process.